

FORM 1449

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APPLICANT: Stephen D. Dunmead, et al.

FILING DATE: Concurrently
Herewith

GROUP: Unknown

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4 9 8 8 6 4 5	01/29/91	Holt et al.	501	91	
	4 9 0 9 8 4 2	03/20/90	Dunmead et al.	75	236	
	4 8 7 7 7 5 9	10/31/89	Holt et al.	501	96	
	3 6 0 7 0 4 6	09/21/71	Little et al.	23	192	
	3 7 2 6 6 4 3	04/10/73	Merzhanov, et al.	423	409	
	4 5 7 6 9 2 3	03/18/86	Broussaud et al.	501	98	
	5 1 6 7 9 4 4	12/01/92	Uda et al.	423	412	

FOREIGN PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

1	Dunmead et al., "Simultaneous Combustion Synthesis and Densification of AlN", <u>SHS</u>
	<u>And Densification of AlN</u> , Lawrence Livermore National Laboratory, pp. 186-194
2	Dunmead, et al., "Gas-Solid Reactions Under a Self-Propagating Combustion Mode", <u>Solid</u>
	<u>State Ionics</u> , 32/33 (1989) pp. 474-481
3	Dunmead, et al., "Simultaneous synthesis and densification of TiC/Ni-Al composites",
	<u>Journal of Materials Science</u> , 26 (1991) pp. 2410-2416

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*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

4	✓	Holt et al., "Self-Heating Synthesis of Materials", <u>Annu. Rev. Mater. Sci.</u> , (1991)
		Vol. 21, pp. 305-34
5	✓	"Holt, "The Use of Exothermic Reactions in the Synthesis and Densification of Ceramic
		Materials", <u>MRS Bulletin</u> , Oct. 1/Nov. 15 (1987) pp. 60-64
6	✓	Yamada, et al., "Combustion Synthesis of Silicon Carbide in Nitrogen Atmosphere",
		<u>J. Am. Ceram. Soc.</u> , 72[9] (1989) pp. 1735-38
7	✓	Munir, "Synthesis of High Temperature Materials by Self-Propagating Combustion Methods",
		<u>CERAMIC BULLETIN</u> , Vol. 67, No. 2, (1988) pp. 343-349
8	✓	Miyamoto, "New Ceramic Processing Approaches Using Combustion Synthesis Under Gas
		Pressure", <u>CERAMIC BULLETIN</u> , Vol. 69, No. 4, (1990) pp. 686-690
9	✓	Munir, et al., "Self-Propagating Exothermic Reactions: The Synthesis of High-Temperature
		Materials by Combustion, <u>Materials Science Reports</u> , 3 (1989) pp. 227-365
10	✓	Hirao, et al. "Combustion Synthesis of Nitride Powders Under High Nitrogen Pressure",
		<u>Advances in Ceramics</u> , Vol. 21: <u>Ceramic Powder Science</u> , pp. 289-300
11	✓	Prokudina, et al., "Production of Aluminum Nitride of the SHS Type and of Highly-Dense
		Ceramics Made From It", <u>Problems of Combustion Technology; Materials of the Third</u>
		<u>All-Union Conference on the Technology of Combustion</u> , 17-20, November 1981

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